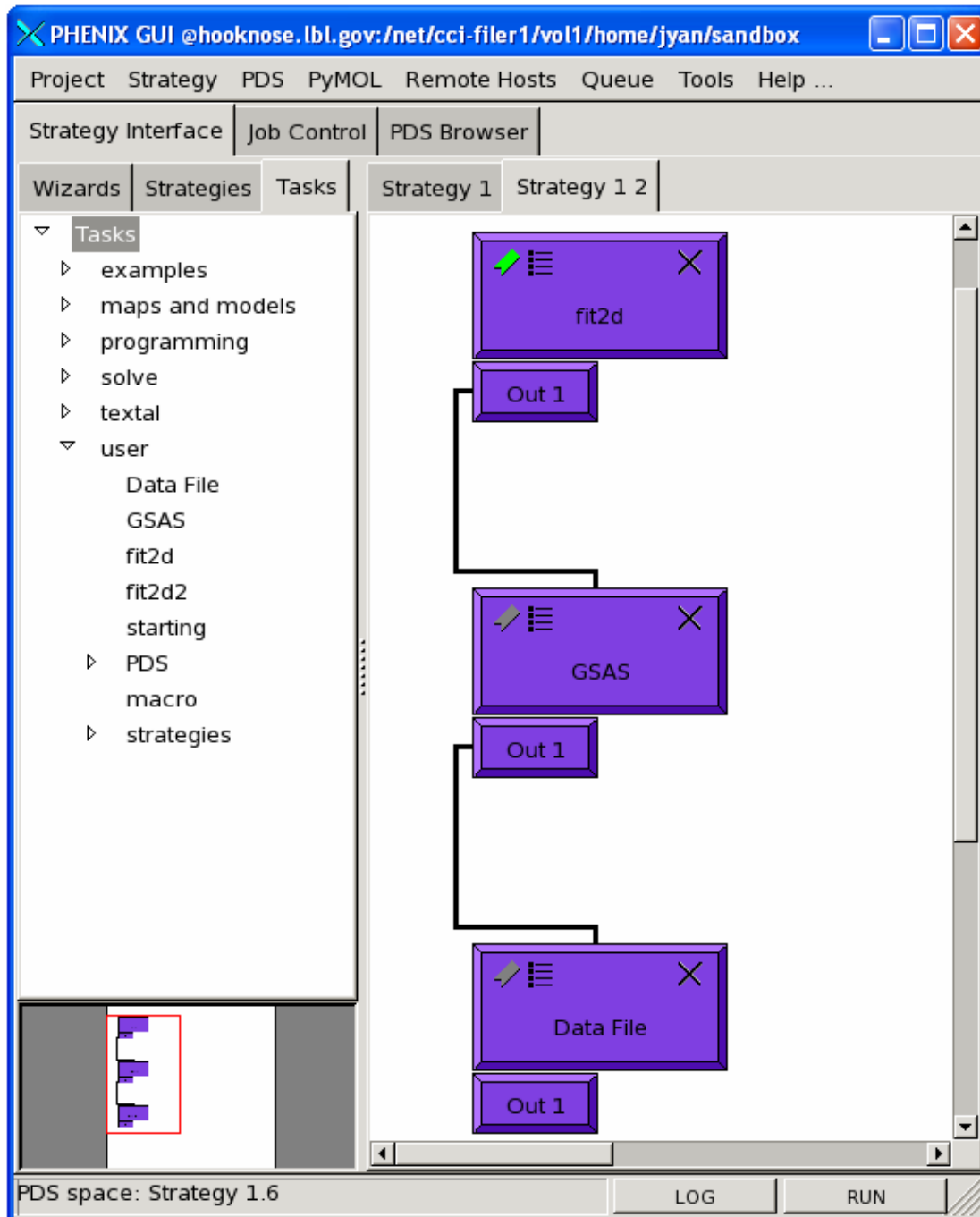


Monthly Report –September, 2006

My work in the last month focused on CEAD development of fit2d, GSAS and unit cell volume data file of LaB6. The work is showing as following.



The input parameters for each task are shown on next page.

fit2d Input Parameters

Save Close

MARFILE_NAME
 yan/sandbox/LaB6sept12_001.mar3450

BEAM CENTER

	X_COORD (Pixel)	Y_COORD (Pixel)	WAVELENGTH(ANGSTROM)
Value	1753.732	1565.734	0.5

DISTANCE, ROTATION, AND TILT

	DISTANCE (mm)	ROTATION (Degree)	TILT (Degree)
Value	295.0	-59.554	-0.717304

OUTPUT FILE NAME
 OUT_TO_GSAS

GSAS Input Parameters

Save Close

Instrument File
 L/vol1/home/jyan/sandbox/inst_x3a.prm

EXPERIMENTAL FILE
 exp_file

Data_File Input Parameters

Save Close

NAME OF OUTPUT FILE
 jinyuan

Input the Pressure/temperature Value
 00.0

We can select the appropriate parameters in the above windows.

In this system, the way of changing wavelength is different from other parameters, like beam center coordinates, distance etc. It seems that the wavelength change has no impact on the powder diffraction integration as other parameters like beam center coordinates and distance does. I reported this problem to Andy Hammersley early this week.